

Domain organization and amino acid sequence of MTSP7

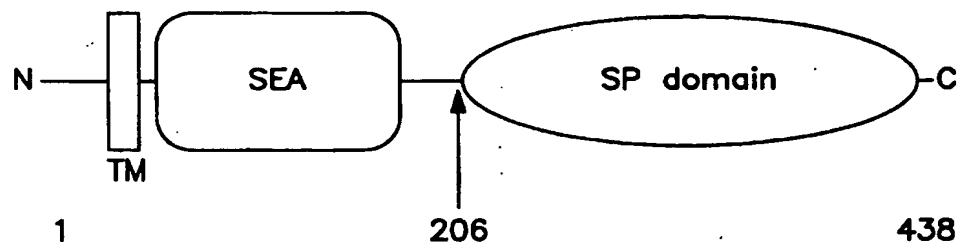


FIG. 1A

10	20	30	40	50	60
MMYTPVEFSEAEFSRAEYQRKQFWDVRLALFTLAIVAIIGIAIGIVTHFVVEDDKSFY					
70	80	90	100	110	120
YLASFKVTNIKYKENYGIRSSREFIERSHQIERMMSRIFRHSSVGGRFIKSHVIKLSPE					
130	140	150	160	170	180
QGV DILIVLIFRYPSTDSAEQIKKKIEKALYQSLTKQLSLTINKPSFRLTPIDSKMRN					
190	200	210	220	230	240
LLNSRCGIRMTSSNMPLPASSSTQ↓RIVQGRETAMEGEWQPQASLQLIGSGHQCGASLISN					
250	260	270	280	290	300
TWLLTAHCFWKNKDPTQWIATFGATITPPAVKRNVRKIILHENYHRETNDIALVQLS					
310	320	330	340	350	360
TGVEFSNIVQRVCLPDSSIKLPPKTSVFVTGFGSIVDDGPIQNTLRQARVETISTDVCNR					
370	380	390	400	410	420
KDVYDGLITPGMLCAGFMEGKIDACKGDSGGPLVYDNHDIWYIVGIVSWGQSCALPKKPG					
430					
VYTRVTKYRDWIASKTGM*					

↓ = protease cleavage site

FIG. 1B

Applicant(s): Edwin Madison et al.

Nucleic Acid Molecules Encoding A Transmembrane Serine
Protease 7, The Encoded Polypeptides And Methods Based
Thereon

10 20 30 40 50 60
AGATCAGATGGCGACTGAATAGAAAGCTGCCCCAGTCTGGGTTTCATGATGTACACACCTG
TCTAGTCTACCGCTGACTTATCTTCGACGGGGTCAGGACCCAAGTACTACATGTGTGGAC

70 80 90 100 110 120
TTGAATTTTCAGAAAGCTGAATTCACGAGCTGAATATCAAAGAAAGCAGCAATTTTGGG
AACTTAAAGTCTTCGACTTAAGAGTGCTCGACTTATAGTTCTTTCGTCGTTAAACCC

130 140 150 160 170 180
ACTCAGTACGGCTAGCTCTTTTCACATTAGCAATTTAGCAATCATAGGAATTGCAATTG
TGAGTCATGCCGATCGAGAAAGTGTAATCGTTAATCATCGTTAGTATCCTTAACGTAAAC

190 200 210 220 230 240
GTATTGTTACTCATTTTGTGTTGAGGATGATAAGTCTTTCTATTACCTTGCCCTCTTTTA
CATAACAATGAGTAAACAACAACCTCTACTATTTCAGAAAGATAATGGAACGGAGAAAAAT

250 260 270 280 290 300
AAGTCACAAATATCAAAATATAAGAAAAATTATGGCATAAGATCTTCAAGAGAGTTTATAG
TTCAGTGTTTATAGTTTATATTCTTTTAATACCGTATTCTAGAAAGTCTCTCAAATATC

310 320 330 340 350 360
AAAGGAGTCATCAGATTGAAAGAATGATGCTTAGGATATTTCGACATTCTTCTGTAGGCG
TTTCTCAGTAGTCTAAGCTTTCTTACTACAGATCCTATAAAGCTGTAAGAAGACATCCGC

370 380 390 400 410 420
GTGCGATTTATCAAAATCTCATGTTATCAAAATTAAGTCCAGATGAACAAGGTGTGGATATTC
CAGCTAAATAGTTTAGAGTACAATAGTTTAAATTCAGGTCTACTTGTTCACACCTATAAG

430 440 450 460 470 480
TTATAGTGCTCATATTTTCGATACCCATCTACTGATAGTGCTGAACAAATCAAGAAAAAA
AATATCAGAGTATAAAGCTATGGGTAGATGACTATCAGACTTGTTTAGTTCTTTTTTTT

490 500 510 520 530 540
TTGAAAAGGCTTTATATCAAAAGTTTGAAGACCAAAATGTCTTTGACCATAAAACAAAC
AATTTTCCGAAATATAGTTTCAAACCTCTGGTTTGTAAACAGAAACTGGTATTTGTTTG

550 560 570 580 590 600
CATCATTTAGACTCACACCTATTGACAGCAAAAAGATGAGGAATCTTCTCAACAGTCGCT
GTAGTAAATCTGAGTGTTGGATAAAGTCTGCTTTTCTACTCCTTAGAAGAGTTGTTCAGCGA

610 620 630 640 650 660
GTGGAATAAGGATGACATCTTCAAACATGCCATTACCAGCATCCTCTTCTACTCAAAGAA
CACCTTATTCCTACTGTAGAAGTTTGTACGGTAATGGTCGTAGGAGAAGATGAGTTTCTT

670 680 690 700 710 720
TTGTCCAAGGAAGGGAAACAGCTATGGAAGGGGAATGGCCATGGCAGGCCAGCCTCCAGC
AACAGGTTCCCTTTGTTCGATACCTTCCCTTACCAGTACCGTCCGGTCGGAGGTGCG

730 740 750 760 770 780
TCATAGGGTCAGGCCATCAGTGTGGAGCCAGCCTCATCAGTAACACATGGCTGCTCACAG
AGTATCCAGTCCGGTAGTCACACCTCGGTGGAGTAGTCATTGTGTACCGACGAGTGTC

790 800 810 820 830 840
CAGCTCACTGCTTTTGGAAAAATAAAGACCCAACCAATGGATTGCTACTTTTGGTGCAA
GTCGAGTGACGAAAACCTTTTATTTCTGGGTTGAGTTACCTAACGATGAAAACACGTT

850 860 870 880 890 900
CTATAACACCACCCGAGTGAAACGAAATGTGAGGAAAATTATCTTCATGAGAATTACC
GATATTGTGGTGGGCGTCACTTTGCTTTACACTCCTTTTAATAAGAAGTACTCTTAATGG

910 920 930 940 950 960
ATAGAGAAACAAATGAAAATGACATTGCTTTGGTTTCAGCTCTCTACTGGAGTTGAGTTTT
TATCTCTTGTTTACTTTTACTGTAAACGAAACCAAGTCGAGAGATGACCTCAACTCAAAA

FIG. 1C

Applicant(s): Edwin Madison et al.

Nucleic Acid Molecules Encoding A Transmembrane Serine
Protease 7, The Encoded Polypeptides And Methods Based
Thereon

970 980 990 1000 1010 1020
CAAAATATAGTCCAGAGAGTTTGCCTCCAGACTCATCTATAAAGTTGCCACCTAAAACAA
GTTTATATCAGGTCTCTCAAACGGAGGGTCTGAGTAGATATTTCACGGTGGATTTTGT

1030 1040 1050 1060 1070 1080
GTGTGTTTCGTACAGGATTTGGATCCATTGTAGATGATGGACCTATACAAAATACACTTC
CACACAAGCAGTGTCTAAACCTAGGTAACATCTACTACCTGGATATGTTTATGTGAAG

1090 1100 1110 1120 1130 1140
GGCAAGCCAGAGTGGAAACCATAAGCACTGATGTGTGTAACAGAAAGGATGTGTATGATG
CCGTTCGGTCTCACCTTTGGTATTTCGTGACTACACACATTGTCTTTCTACACATACTAC

1150 1160 1170 1180 1190 1200
GCCTGATAACTCCAGGAATGTTATGTGCTGGATTTCATGGAAGGAAAAATAGATGCATGTA
CGGACTATGAGGTCTTACAATACAGCCTAAGTACCTTCCTTTTATCTACGTACAT

1210 1220 1230 1240 1250 1260
AGGGAGATTCTGGTGGACCTCTGGTTTATGATAATCATGACATCTGGTACATTGTAGGTA
TCCCTCTAAGACACCTGGAGACCAATACTATTAGTACTGTAGACCATGTAACTCCAT

1270 1280 1290 1300 1310 1320
TAGTAAGTTGGGGACAATCATGTGCACTTCCCAAAAAACCTGGAGTCTACACCAGAGTAA
ATCATTCAACCCCTGTAGTACACGTGAAGGGTTTTTGGACCTCAGATGTGGTCTCATT

1330 1340 1350 1360 1370 1380
CTAAGTATCGAGATTGGATTGCCCTCAAAGACTGGTATGTAGTGTGGATTGTCCATGAGTT
GATTTCATAGCTCTAACCTAACGGAGTTTCTGACCATACATCACACCTAACAGGTACTCAA

1390 1400 1410 1420 1430 1440
ATACACATGGCACACAGAGCTGATACTCTGCGTATTTTGTATTGTTTAAATTCATTAC
TATGTGTACCGTGTGTCTCGACTATGAGGACGCATAAAACATAACAAATTTAAGTAAATG

1450 1460 1470 1480 1490 1500
TTTGGATTAGTGCTTTTGTAGATGTCAAGAAGCCCTTCAGACCCAGACAAAATCTAATAT
AAACCTAATCACGAAAACGATCTACAGTCTTCGGGAAGTCTGGGTCTGTTTAGATTATA

1510 1520 1530 1540 1550 1560
CCTGAGGTGGCCTTTACATACGTAGGACCAAAACCTCTCTACCATGAGGGAAGAAGACAC
GGACTCCACCGGAAATGTATGCATCCTGGTTTGGGAGAGATGGTACTCCCTTCTCTGTG

1570 1580 1590 1600 1610 1620
AGCAAAATGACAGACAGCACCTATTCCTTACTCACAAGGGAACTGCTTGTGATACTTCCT
TCGTTTACTGTCTGTCGTGGATAAGGAATGAGTGTTCCTTTGACGAACACTATGAAGGA

1630 1640 1650 1660 1670 1680
AATAAGATAAATAAGTGGTTTCCCTCAATTGAAGACAGGAACATCATTTTCCACAGGATA
TTATTCTATTTATTCACCAAAGGGAGTTAACTTCTGTCCTTGTAGTAAAAGGTGTCCTAT

1690 1700 1710 1720 1730 1740
TGAAGAGCTGCCAGTAATGCCAAAATCTTACCTCATATAATACCTGGAGCATGTGAGATT
ACTTCTCGACGGTCATTACGGTTTTAGAAATGGAGTATATTATGGACCTCGTACACTCTAA

1750 1760 1770 1780 1790 1800
CTTCTAGTGA AAAAGAACAGTCTTCCCTGAAGACTCAGGGCTTCAACATTTCTAGAACTGA
GAAGATCACTTTTCTTGTGAGAAGGACTTCTGAGTCCCGAAGTTGTAAGATCTTGACT

1810 1820 1830 1840 1850 1860
TAAGTGGACCTTCAGTGTGCAAGAAATGGAGAAGCATGGGATTGCAATTATGACTTGAACCT
ATTACCTGGAAAGTCACACGTTCTTACCTCTTCGTACCCTAAACGTAATACTGAACTTGA

1870 1880 1890 1900 1910 1920
GGGCTTATATCTAATAATACAGAGCACTATCACTAACCTCAACAGTTGACATTTTAAAG
CCCGAATATAGATTATTATGTCGTGATAGTGATTGGAGTTGTCAACTGTAAAATTTTC

FIG. 1D

Applicant(s): Edwin Madison et al.

Nucleic Acid Molecules Encoding A Transmembrane Serine
Protease 7, The Encoded Polypeptides And Methods Based
Thereon

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1930      1940      1950      1960      1970      1980
TTTTTAAATGTATCTGAACTTGCTGTTAACACAGTGTATAACTCAAGCACTAGCTTCAG
AAAAATTTACATAGACTTGAACGACAATTGTGTCACAATATTGAGTTCGTGATCGAAGTC

1990      2000      2010      2020      2030      2040
GAAGCATGTTGTGTTGTTAAGAGCTTTTTCTGATTTATTCTTTAACAGCATCTTGCCATC
CTTCGTACAACACAACAATTCTTCGAAAAGACTAAATAAGAAATTGTCGTAGAACGGTAG

2050      2060      2070      2080      2090      2100
TATATGTTAGTAGCAGTTGGCCAGAAAGGACAAAAAAAAAAAAAAAAAAAAAAAAAAAA
ATATACAATCATCGTCAACGGGGTCTTTCCTGTTTTTTTTTTTTTTTTTTTTTTTTTTT
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FIG. 1E